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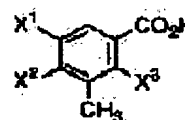
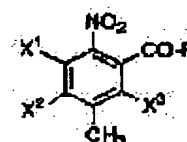
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## (54) (2,3,5-TRIHALOGENO-4-METHYL)NITROBENZENE DERIVATIVE

## (57)Abstract:

PURPOSE: To obtain the subject derivative, having a structure in which nitro and methyl groups are simultaneously present at the p-positions and useful as a synthetic intermediate for an antimicrobial gent.

CONSTITUTION: This derivative of formula I [R is OH, Cl, CH(CO<sub>2</sub>R)<sub>2</sub>, CH<sub>2</sub>CO<sub>2</sub> R<sub>1</sub> or C(=C-R<sub>2</sub>)CO<sub>2</sub>R<sub>1</sub> (R<sub>1</sub> is a lower alkyl; R<sub>2</sub> is a lower alkoxy or cyclopropylamino); X<sub>1</sub> to X<sub>3</sub> are each a halogen], e.g. 2,4,5-trifluoro-3-methyl-6-nitrobenzoic acid. Furthermore, the objective derivative is preferably obtained by nitration, etc., of a 2,4,5-trihalogeno-3-methylbenzoic acid, etc., of formula II with a nitrating agent such as nitric acid in a solvent such as sulfuric acid under conditions of cooling with ice to heating and refluxing with a solvent.



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